

# Converting Colors

Hex(299E42)

Have a look what the booklet for  
Hex(299E42) contains.

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# Color

Hex(299E42)

# Conversions

## Conversions Part 1

Format	Color
Hex	299E42
RGB	41, 158, 66
RGB Percent	16%, 62%, 26%
CMY	0.8392, 0.3804, 0.7412
CMYK	0.74, 0.00, 0.58, 0.38
HSL	133°, 59%, 39%
HSV	133°, 74%, 62%
XYZ	14.1247, 25.3185, 9.2968
YIQ	112.5290, -40.2000, -53.4160

# Conversions

## Conversions Part 2

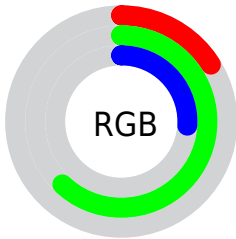
<b>Format</b>	<b>Color</b>
<b>RYB</b>	41, 137, 158
Decimal	2727490
CIELab	57.38, -51.47, 38.46
CIElCh	57, 64.252, 143.236
Yxy	25.3185, 0.2898, 0.5195
Android (android.graphics.Color)	4280917570 (0xFF299E42)
YUV	112.5290, -22.9388, -62.7309
Hunter-Lab	50.3175, -37.9486, 24.2677

# Details

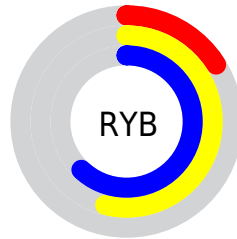
The Hex color **299E42** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **9E2985**, and the grayscale version is **717171**.

A 20% lighter version of the original color is **68D675**, and **00690F** is the 20% darker color. If you saturate the color by 10%, you get **199E36**, and if you desaturate by 10%, it is **399E4E**.

# Distribution



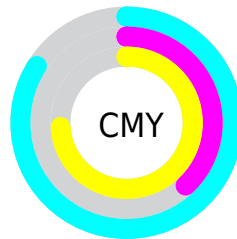
- Red (16%)
- Green (62%)
- Blue (26%)



- Red (16%)
- Yellow (54%)
- Blue (62%)



- Cyan (74%)
- Magenta (0%)
- Yellow (58%)
- Black (38%)



- Cyan (84%)
- Magenta (38%)
- Yellow (74%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 299E42 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Hex color 299E42 by changing the saturation by 10% instead.



 299E42

 299E42

FFFFFF

 008329

 68D675

 00690F

 85F38F

 005000

 A2FFAA

 003800

 BFFFC6

 002100

 DDFFE2

 000000

 FBFFFF

 299E42

 299E42

 199E36

 399E4E

099E29

499E5B

009E22

589E67

689E74

789E80

889E8D

989E99

A79EA5

B79EB2

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



7B940A



299E42



00A37B

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



299E42



0094FA



ED5561

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



299E42



9E2985

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



E75299



299E42



6F80F2

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



299E42



009FE3



C166CE



D76B2F

# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



299E42



00A4A2



C166CE



EE5173



# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



299E42



A1CFAB



879E29



4D6953



E8E8E8



696969



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



299E42



17CF3E



299E7B



474F49



008F1F



000F03



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



9E2985



CF17A7



9E294C



4F474D



8F0070



0F000C



# Previews

## White Background



This preview shows how the Hex color 299E42 looks on a white background.

## Color Contrast Check

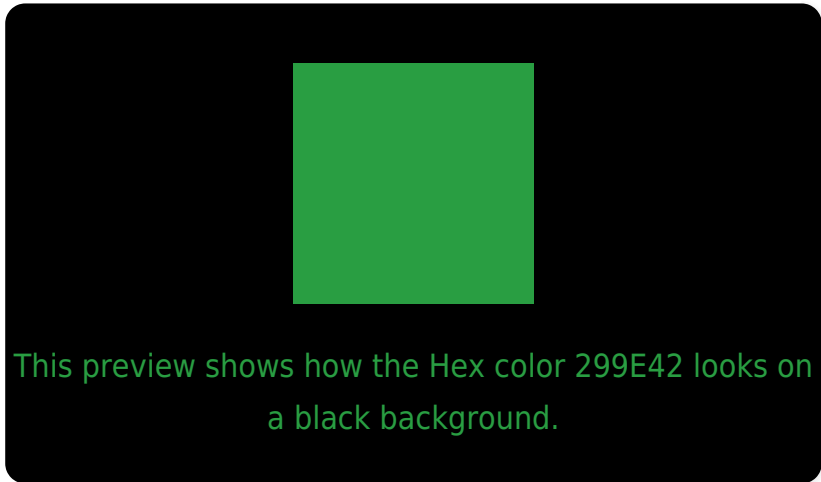
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 299E42 Background



This preview shows how black text looks on a background with the Hex color 299E42.



This preview shows how white text looks on a background with the Hex color 299E42.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



**Original Color**  
299E42

**Protanopia**  
98893C

**Deuteranopia**  
A7824A



**Tritanopia**  
4994A0

# Trichromacy



**Original Color**  
299E42



**Protanomaly**  
70913E



**Deuteranomaly**  
798C47



**Tritanomaly**  
3D987E

# Monochromacy



**Original Color**  
299E42



**Achromatopsia**  
717171



**Achromatomaly**  
578160

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 299E42 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color #299E42 looks like.

```
.text, #text, p{  
    color:#299E42  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel #299E42 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #299E42
}
```

## Border

The CSS property to change the border of an element to Hex 299E42 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#299E42 }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:#299E42 }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel #299E42 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #299E42; -webkit-box-shadow:4px 4px  
4px 4px #299E42; box-shadow:4px 4px 4px  
4px #299E42 }
```

# Background

The CSS property to change the background color of an element to Hex 299E42 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#299E42 }
```

If only the background color should be changed can be used:

```
.background{ background-color:#299E42 }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).



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